NATIONAL IMAGERY TRANSMISSION FORMAT STANDARD (NITFS)
REQUEST FOR CHANGE (RFC)

RFC CONTROL NUMBER 97-005
(To be filled in by NTB Secretary)

DATE SUBMITTED 11/14/96 DATE RECEIVED 11/18/96

ORIGINATOR Joint Interoperability Test Command
TELEPHONE (520) 538-5458

MAILING ADDRESS
JITC
NITFS CTE FACILITY
ATTN: JTDB
FT HUACHUCA, AZ 85613-7020

ORGANIZATION TYPE Government (DoD)

PRIORITY routine

FUNCTION NITFS Certification test criteria

DOCUMENT NUMBER- JIEO CIRCULAR 9008/30 Jun 1993 PAGE 5-17
DOCUMENT- NITFS CERTIFICATION TEST & EVALUATION PROGRAM PLAN PARAGRAPH 5-9 H-J (NEW)

PROBLEM DESCRIPTION
Bi-level compression/decompression requirements for NITFS applications addressing bit representation.

RECOMMENDED WORDING
Add new paragraphs H-J as shown on attached sheet.

RATIONALE
Correction clarifies the bit representation requirements.

REMARKS
An errata sheet will be inserted into the 30 Jun 93 document. The change will then be incorporated in the next revision of the document.

TOTAL COST OF IMPLEMENTATION
None

PROPOSED TIMEFRAME OF IMPLEMENTATION
Immediately

ANTICIPATED USER IMPACT
None. Simply clarifies what has been implemented and tested to date.

NTB REVIEW DATE

NTB RECOMMENDATION

SUBSTANTIVE ISSUES

DATE SUBMITTED TO NCCB

NTB CHAIRMAN SIGNATURE

NTB REVIEW DATE

NTB DECISION

IMPLEMENTATION DATE

NITFS-CCB FORM 1(REVISION 2)

JITC/JTDB **14 NOVEMBER 1996**

REQUEST FOR CHANGE TO JIEO CIRCULAR 9008

RE: Proposed changes to JIEO Circular 9008 modify requirements for bit representation during bi-level compression/decompression.

Section 5, subsection on Image Compression Criteria, Bi-Level

Add the following new paragraphs:
H. When compressing imagery, the SUT encoder must convert the default bit representation of “0" black/”1" white to “1" black/”0" white prior to applying the compression algorithm.

I. When decompressing imagery, the SUT decoder must convert the bit representation “1" black/”0" white to “0" black/”1" white.

J. When LUTs are used, encoders shall base bi-level LUTs prior to bit conversion and compression. Decoders shall apply bi-level LUTs to the data stream after decompression and bit conversion.